

**ABSTRACT**

An electronic game, method and apparatus, is disclosed which includes individually operable electric switches to control the device, and electric light emitting means to provide multi-color displays. The object of the game is for the player to manipulate the switches until all multi-color displays indicate the same color. The device functions by matching electrical operating codes, transmitted from its left and bottom edges, with electrical operating codes stored at its top and right edges, to generate electrical color codes. The electric switches control the routing of the operating codes within the device, and the distribution of the color codes to the multi-color displays. In the preferred embodiment, the device utilizes a microprocessor to control the progress of the game, monitor the position of electric switches, and control the display of multi-color indications. The microprocessor also controls the generation of operating codes, the routing of operating codes from the left and bottom edges to the top and right edges, the determination of color codes at the top and right edges, and the distribution of those color codes from the top and right edges to the multi-color displays. The preferred embodiment also includes multi-color lighted switches to implement the electric control switches and the multi-color displays. The device also comprises an electric control means to select a new game, provisions to vary the level of difficulty of any particular game, and means to generate audible signals.

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